

MAYFLOWER PROJECT
WASATCH COUNTY, UTAH

Mine Tailings
WORK PLAN
for the
Hydrogeologic/Geochemical & Geotechnical Studies

June 1987

BO-289160/31

PRINCIPAL:

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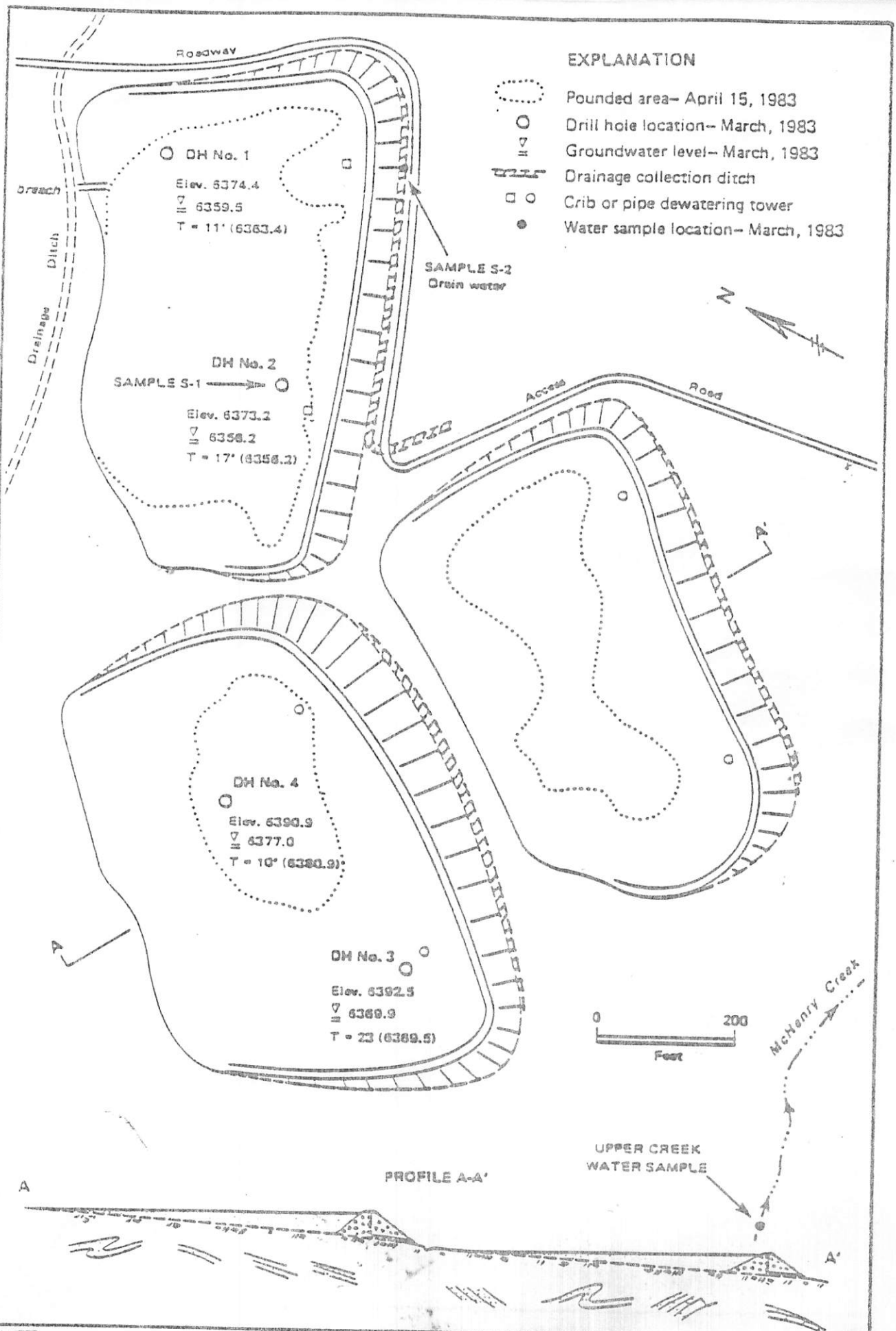
Summary

This document is a work plan for conducting field, laboratory and office studies for the Mayflower (MF) Tailing site in Wasatch County, Utah. The majority of the proposed work plan will consist of hydrogeologic and geotechnical investigations which will include soil, tailings and groundwater sampling and analysis and geochemical studies. This plan defines the scope, budget and schedule for the proposed activities.

The MF Tailing site is located between Park City and Heber City in Wasatch County, Utah. The tailing deposits are located in three ponds. Approximately 400,000 tons (360,000 metric tons) have been deposited between 1962-72. The ON site is located one and a half kilometer southeast of the MF Ponds. Between 1968-72 the ON Reservoir received tailing material. The total tailing material contained in the Reservoir is approximately 200,000 cubic yards or 285,000 tons.

The primary objective of this work plan is to provide a plan for conducting the activities and tasks to ensure an appropriate and thorough evaluation of the potential extent of contamination and the magnitude of the public health and environmental hazard involved in the as-planned future development of the consolidated site. The plan follows as closely as possible the outline of objectives given in the Cooperative Agreement no. 7-FC-40-05040 between Stichting Mayflower Mountain Fonds and Stichting Mayflower Recreational Fonds (Stichtings), the U.S. Department of Interior, Bureau of Reclamation (BOR), and the Utah Department of Health (UDH).

This work plan addresses both the "health and environmental", and the geotechnical aspects outlined in the above mentioned agreement. It has been developed for the MF site, and is proposed to be executed by Bingham Engineering and Delft Geotechnics. In addition, the BOR will provide available information at the ON site. Technical review will be performed by UDH and the BOR. The BOR is involved primarily due to the Jordanelle Dam project which probably necessitate the relocation of the ON Tailings. The UDH is overseeing the studies to determine if the proposed plans will meet environmental regulations and Wasatch County will determine if the plan is in compliance with the conditions attached to the property determinations for the MF Development. Bingham Engineering is performing the planning and engineering for the Mayflower Recreational Development. Delft Geotechnics has been retained by the Stichtings to evaluate the potential environmental hazards of the Site.



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Date
1987 - 03

MAYFLOWER PROJECT

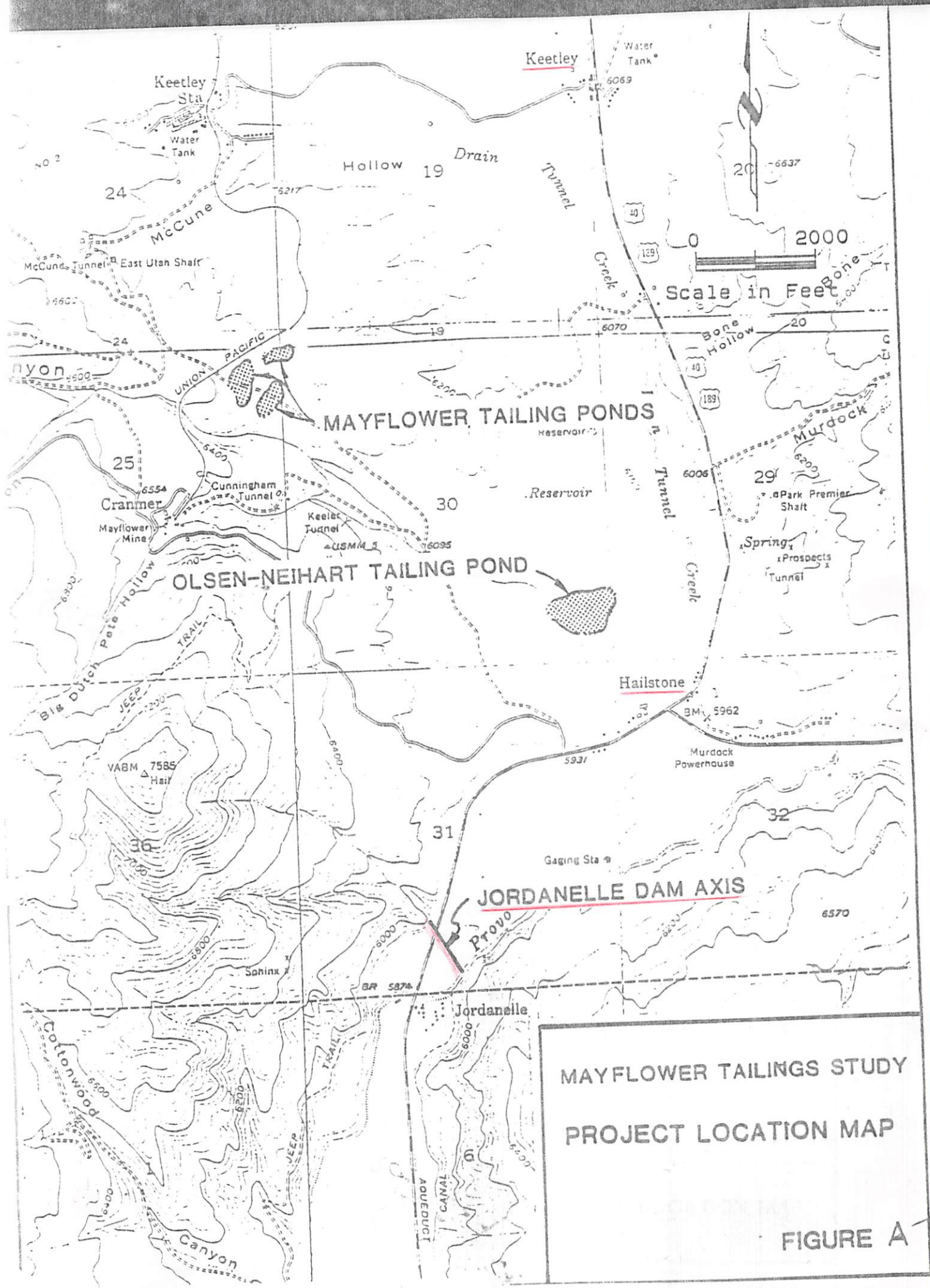
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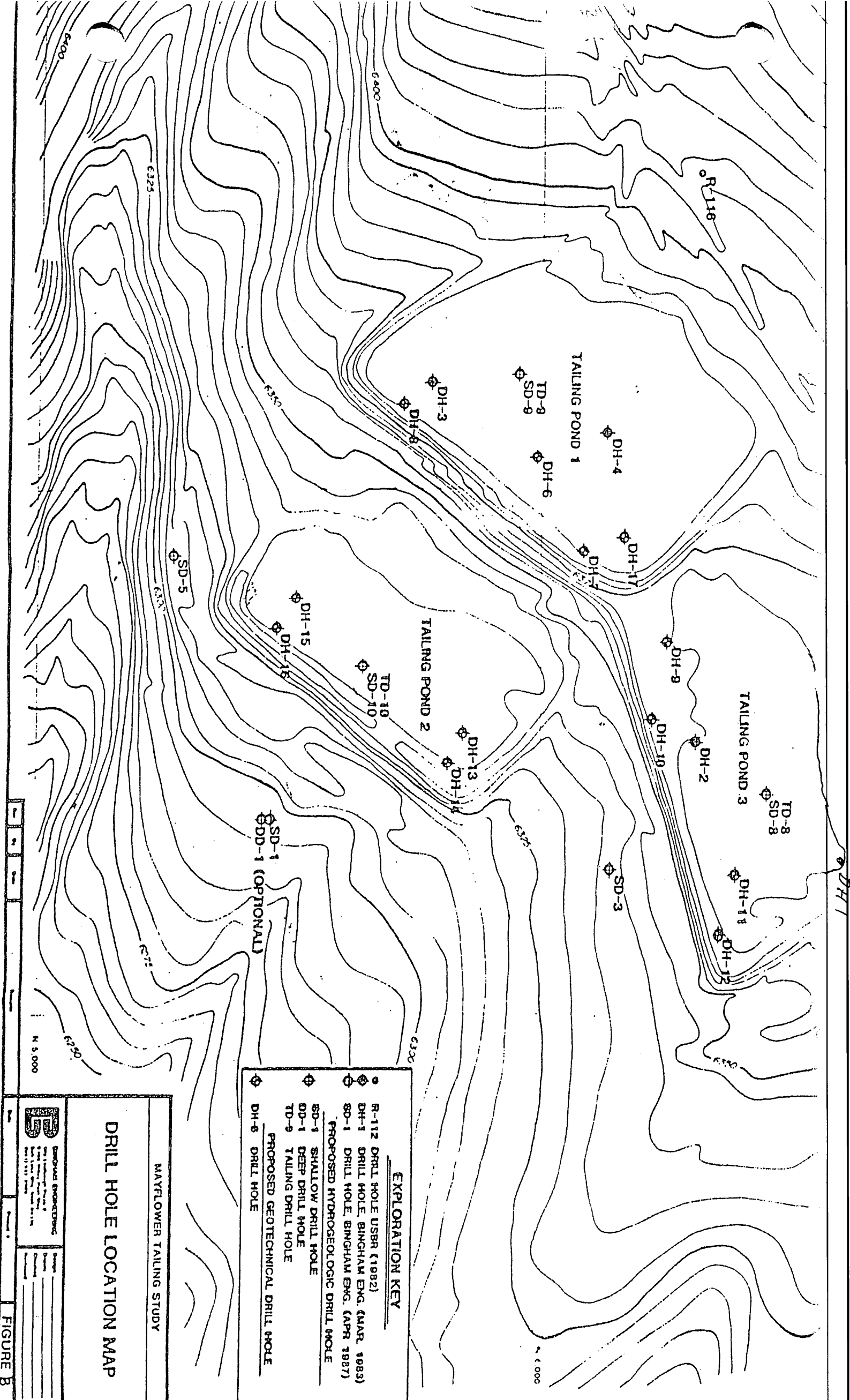
PLOT PLAN AND

MAYFLOWER TAILINGS PONDS

FIG. 2

A





EXPLORATION KEY

- R-112 DRILL HOLE USBR (1982)
- DH-1 DRILL HOLE, BINGHAM ENG. (MAR. 1983)
- SD-1 DRILL HOLE, BINGHAM ENG. (APR. 1987)
- PROPOSED HYDROGEOLOGIC DRILL HOLE
- SD-1 SHALLOW DRILL HOLE
- DD-1 DEEP DRILL HOLE
- TD-9 TAILING DRILL HOLE
- PROPOSED GEOTECHNICAL DRILL HOLE
- DH-6 DRILL HOLE

DRILL HOLE LOCATION MAP

MAVFLOWER TAILING STUDY

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Project: _____
Client: _____
Date: _____

FIGURE 8